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GENERAL MANAGEMENT ASSISTANCE CONTRACT (GMAC)

Contract No: 674-C-00-01-00051-00

**Zambia Capacity Building, Biotechnology Outreach and Information
Transfer**

Contract or Grantee number: 0129-1003-G-GA38



AfricaBio

This report was produced for review by the USAID. It was prepared as a performance milestone under Mega-Tech, Inc.'s prime contract. The contents of this report address activities performed under USAID/South Africa's Strategic Objective No. 9: Increased Market Driven Employment

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Activity Summary and achievements:

The purpose of this grant was to build capacity among the Zambian Scientists to communicate on biotechnology and interact with local, regional and international stakeholders. AfricaBio's aim for the grant was to draw on its expertise and experience to assist the Biotechnology Society for Zambia (BOSZ) to develop communication strategies and programmes for creating an environment conducive for the development of biotechnology in Zambia.

The following outcomes were some of the achievements of this grant:

- Development of a comprehensive decision makers, regulators and key scientist database for Zambia.
- 50 communicators trained to offer training in biotechnology to key stakeholders in Zambia.
- 16 Radio Programs.
- 3 Newsletters.
- Journalists training Session.
- Other Promotional activities such as Seminar in School of Agric Sciences, Parliamentarians Round Table Meeting and Biosafety Framework, IITA Agro-biotechnology Priority Setting Workshop for Southern Africa, Visit to the Ministry of Science Technology & Vocational Training (MSTVT), Training Course on Modern Biotechnology & Food Safety etc.

Contents of this report:

- 1) Final Report on Biotechnology Outreach, Capacity Building and Information Transfer in the SADC Region (Jan 2005);
- 2) Grant Activity Completion Report; and
- 3) Annual Narrative Summary (FY2005).

1.0 Background

Biotechnology Outreach society of Zambia (BOSZ) is a non-profit making, non governmental organization that was launched in July 2003. The organization was formed in response to the information gap in Zambia on biotechnology. This information gap was vividly highlighted during the 2002 genetically modified (GM) maize debate. The GM maize was donated by the United States government to alleviate hunger in Zambia following the 2001 drought. However, the Zambian government rejected the maize because it was genetically modified.

The rejection of food aid containing GM in Zambia presented a new challenge for biotechnology stakeholders to transfer information on biotechnology to decision makers. In this vain BOSZ was challenged to help in biotechnology development in Zambia. This was going to be realized by engaging local scientists, policy makers, media personnel and all interested stakeholders in informative public discussions on biotechnology.

However, due to lack of local experience in the area of biotechnology awareness, BOSZ decided to draw on the experience of other stakeholder organizations that had experience in dealing with such issues. AfricaBio, a biotechnology stakeholder association that has experience in setting up dialogue between stakeholders, was approached.

AfricaBio played a role in the launching of BOSZ through its Director for Regional Affairs, Professor Diran Makinde. Mrs. Wadzi Mandivenyi, Project Manager of AfricaBio also provided the Society with technical support. AfricaBio also assisted the society by supplying the equipment that included a computer, printer, fax machine and internet connection.

2.0 Implementation of Zambian Activities

2.1 Preparatory Meeting in Pretoria

The BOSZ presented a project proposal on biotechnology outreach activities to the USAID for funding. The project was subsequently approved but the funds were to be administered through AfricaBio, which has the experience in administering USAID, funded projects. BOSZ attended a meeting in Centurion, South Africa on the 23rd of January 2004 at the invitation of AfricaBio. The purpose of the meeting was to finalize the work plan for the Zambia USAID Biotechnology outreach Project. Specifically the meeting was called to coordinate the work plan and outline the activities to be implemented under the project.

2.2 Preparatory Meeting in Lusaka

Thereafter, the BOSZ executive held a meeting on The 13th of February 2004 at Comfort Lodge in Lusaka. The objective of the meeting was to build a plan of action that would guide the implementation of the USAID Outreach Project. The important preparatory activities such as setting up a fully functional office with an office

manager were discussed. Goals, objectives, tasks, activities, time frame, persons responsible and expected outputs were outlined (Appendix 1).

2.3 Setting up of functional office

The BOSZ office was set up at the University of Zambia, in the Biology Building, room 511. The office has basic office equipment namely, a computer, black & white printer, color printer, photocopier, telefax and a scanner. The office also has an internet connection for easy communication with stakeholders in Zambia and outside the country. The society has a full time office manager in charge of administrative work.

2.4 Development of a database

A database of key stakeholders in biotechnology in Zambia has been developed. It consists of scientists, policy makers, journalists and other personnel involved in biotechnology in Zambia. The same has been submitted to AfricaBio to be part of the regional database on biotech stakeholders.

2.5 Radio Programs

So far a total of 16 radio programs have been aired on both national and community radio stations (Appendix 2) to create awareness on biotechnology in the country.

2.6 Newsletters

As per project plan three newsletters were produced in February, May and December, 2004. See Annex 9. A distribution list of key stakeholders has been compiled where all the newsletters are sent after publication. The newsletters are also included as workshop materials. Through this way a wider audience has been able to access the latest information on what is happening in biotechnology in Zambia and worldwide.

2.7 Journalists Training Session

A one-day Journalists' Workshop was held on the 13th of May, 2004 at Comfort Lodge in Lusaka. The theme of the workshop was "*Translating and communicating Biotechnology*". Journalists from various media houses in Lusaka attended the workshop. It focused on various issues pertaining to science reporting. Journalists and scientists were challenged to interact more in order to avoid misunderstanding each other as sources and disseminators of information respectively (Appendix 4)

2.8 Communicators Workshop

A Communicators Workshop was held at Chrismar Hotel in Lusaka from the 17-18th June 2004. The theme of the workshop was "*Communicating Biotechnology for sustainable development*". It was attended by over 50 stakeholders who included members of parliament, councilors, media practitioners, scientists, civil servants, seed company representatives, university students and lecturers as well as other interested stakeholders.

The workshop was organized by BOSZ in conjunction with the SADC Plant Genetic Resources Centre (SPGRC) and the National Science & Technology Council (NSTC). The Ministry of Science Technology & Vocational Training was also invited to be part of the Workshop Planning Committee but the representative was unable to participate.

The workshop challenged participants to become effective communicators on issues of science and technology (Appendix 4). The workshop was also well covered by the media as exemplified by the Report by Violet Mengo in the Zambia Daily Mail entitled “Biotechnology must be made known to all Zambians” (Annex 5).

2.9 Other Promotional Activities

2.9.1 Seminar in School of Agric Sciences

BOSZ sponsored a one-day biotechnology promotional seminar in the School of Agricultural Sciences at the University of Zambia on 28 May 2004.

2.9.2 Parliamentarians Round Table Meeting and Biosafety Framework

BOSZ participated in a one-day parliamentarians round table meeting on the Zambian Biosafety Framework held at Chaminuka Lodge in Chisamba on 1st July 2004.

2.9.3 IITA Agro-biotechnology Priority Setting Workshop for Southern Africa

BOSZ participated in this workshop, which was held at Pamodzi Hotel in Lusaka 19-23 July 2004.

2.9.4 Meeting with the Executive Director of ZAMTIE

On 19th May 2004, BOSZ Secretary held a lunch meeting with the Executive Director of the Zambia Trade and Investment Enhancement (ZAMTIE) to discuss possibilities for funding a communicator’s workshop for Editors.

2.9.5 One Day Editors’ Workshop on Science Communication

In collaboration with the Zambia Editors’ Forum and with funding from the Zambia Trade and Investment Enhancement (ZAMTIE), the BOSZ held a one-day workshop for Editors at Comfort Lodge in Lusaka on 15th July 2004. A total of 16 participants attended the workshop.

2.9.6 Visit to the Ministry of Science Technology & Vocational Training (MSTVT)

On 9th June 2004 three BOSZ Executive members held two separate meetings with the Permanent Secretary and the Director at the Ministry of Science Technology and Vocational Training. The objective of the meeting the two senior officers was to brief them about the activities of BOSZ and to establish a working relationship with them in the area of biotechnology awareness and policy matters.

2.9.7 Visit to the US Embassy

On 1st June 2004 the Chairperson and the Secretary were invited to the US Embassy to discuss possibilities of forging links on biotechnology with

stakeholder institutions in the US. Subsequent to this meeting a project proposal, which is still under review, was submitted.

2.9.8 Training Course on Modern Biotechnology & Food Safety

With financial support from the US Embassy, the BOSZ Chairperson in collaboration with Professor Aggrey Ambali of Malawi and Professor Bruce Chassy of Cornell University conducted a training course on Food Safety and Modern Biotechnology. The course which was attended by 50 participants was held at the University of Zambia, School of Natural Sciences, Department of Chemistry from 3 to 13 August, 2004. See Course Outline in Annex 8.

2.9.9 National Consultative Meeting to Review Draft Biotech and Biosafety Bill

BOSZ through the Chairperson participated at this National Conference held at Mulungushi International Conference Centre from 11-13 August, 2004.

2.9.10 Agro Biotech Stakeholders Consultative Meeting at ACF

BOSZ Chairperson and Secretary attended a morning paper presentation and discussion session at the Agriculture Consultative Forum Offices in Lusaka.

2.9.11 International Conferences/Workshops

- Three BOSZ members attended the BT Maize Demonstration held at Potchefstroom, Pretoria South Africa 19-21 April, 2004
- Three BOSZ members attended the Regional Communicator's Workshop held in Pretoria, South Africa, 5-6th August 2004.

2.9.12 Newspaper articles

BOSZ executive members have been actively writing articles on biotechnology and submitting them to various media houses in the country.

The articles were aimed at responding to some misinformation and in some cases merely to inform and educate the public on various developments in biotechnology. Sadly, not all our submissions have been published. In the period under review the following newspaper articles were published. See Annexes 1-7.

- "GMOs Record Increased Production World Wide" by T. Kambikambi in National Mirror Issue of 20-26 March, 2004.
- "Bt maize takes root in South Africa" by Chris Kakunta in Zambia Daily Mail Thursday April 1, 2004 page 7.
- "Broader Consensus Needed in Embracing Biotechnology" by Chris Kakunta in Zambia Daily Mail Friday 8th April, 2004.
- "Can Biotechnology end Hunger" by Tamala Kambiakambi in National Mirror Issue of 3-9 July, 2004.
- "Biotechnology must be made known to all Zambians" by Dr. L.E. Mumba in Zambia Daily Mail, July, 2004.
- "Biotechnology: Africa must have a choice" by Chris Kakunta in Zambia Daily mail September 24, 2004.
- "Biotechnology: Solution to Africa's famine problem?" by Chris Kakunta in Zambia daily Mail September 30, 2004.

2.9.13 Impact

Biotechnology Outreach Society of Zambia has contributed significantly to biotechnology awareness in Zambia through all the activities it has carried out during the course of this year.

The newsletter publications have helped to educate and sensitize the public on current issues on biotechnology in Zambia and surrounding countries and elsewhere. The distribution list has been growing with every publication.

The Journalists and Editors' workshops enabled scientists and the media to interact and discuss issues affecting science coverage in the media. Scientists were challenged to explain science in a simpler manner so as to help Journalists comprehend the subject. Through this way the Journalists would stop regarding science as a difficult subject on which they would rather not write about.

On the other hand, the Journalists were also challenged to research widely and understand science topics before publicizing them. The editors were also challenged to encourage science stories publications by giving them front -page coverage.

There has been an increase in the number of science stories on biotechnology in both print and electronic media since the Journalists and Editors' Workshops. Some of the prominent writers and presenters of these stories and programs were participants of the workshops. However, a lot of work still needs to be done with the media, as there is still a tendency to focus on the negative aspects of biotechnology as opposed to the benefits.

Policy makers like Members of Parliament (MPs) and local government officials have also received training on biotechnology issues. This has helped to demystify biotechnology in Zambia among politicians. It is hoped that their new knowledge will help them debate the draft bill on the Biosafety Regulatory Framework. The Communicators Workshop accorded some MPs and other policy an opportunity to receive training on how to communicate effectively on issues of biotechnology to the grassroots.

Students at university are able to articulate issues of biotechnology more effectively due to some of the training they have received at student promotional workshops.

The BOSZ is able to engage and contact stakeholders in biotechnology quickly and effectively due to the database that has been developed by the society. The internet service and other communication devises at the society office have helped BOSZ in communicating with stakeholders in Zambia and worldwide.

2.10 Conclusion

A lot has been achieved by BOSZ in terms of public awareness on biotechnology in Zambia. However, due to the deep-rooted fear that most people have with new technology, a lot still needs to be done. It will therefore be desirable to continue with the awareness activities in the coming year.

The media has been adequately sensitized, policy makers have been enlightened and scientists trained on how to communicate science issues effectively. It is hoped that BOSZ activities will go a long way in helping the public make informed decisions on biotechnology and the GMO debate in particular.

2.11 Acknowledgements

The Boitechnology Outreach Society of Zambia wishes to acknowledge the unfailing support of the following individuals at AfricaBio: The Executive Director Professor Jocelyn Webster, the Director for Regional Affairs, Professor Diran Makinde, the Projects Manager Mrs. Wadzanayi Mandivenyi and the Information Manager Mrs. Remi Akanbi. The financial support rendered to this nascent society by USAID through AfricaBio needs special mention. Without this support the activities herein undertaken would not have been possible.

APPENDICES

Appendix 1: Work plan for the USAID-Zambia Biotech Awareness Project

WORKPLAN FOR THE USAID-ZAMBIA BIOTECH AWARENESS PROJECT

	Goal	Objective	Task	Activities	Time Frame	Persons Responsible	Expected Output
1	Development of strategic plan	To build a plan of action that will guide the implementation of USAID Outreach Project	Preparatory activities	<p>Fully functional BOSZ office set up.</p> <p>Core group meetings to develop plan of activities, and framework as well as monitoring and evaluation.</p> <p>Review of possible consultants/collaborators.</p>	1-29 Feb 2004	T. Kambi L. Mumba O. Mumba	Complete and detailed work plan and BOSZ office functioning.
2	Development of database, production of radio programs and newsletter for awareness campaigns	<p>A database will be developed in order to have a resource to allow stakeholders know and be able to contact personnel involved in biotech in Zambia. This is just an initiation stage and will have to be updated periodically.</p> <p>Publication of quarterly newsletters with relevant and accurate biotech information for consumption by the Zambian public.</p> <p>Production of radio programs on biotech issues in Zambia via various radio stations to capture a wider audience and hence enhance information dissemination</p>	<p>Database development</p> <p>Monthly radio programs aired on different radio stations</p> <p>Publish a newsletter</p>	<p>Compilation of essential data for entries into the database.</p> <p>Verification of details.</p> <p>Call for articles to include in the newsletter.</p> <p>Censoring and selection of articles to include in the publication.</p> <p>Typesetting and proofing.</p> <p>Publication, production and distribution.</p> <p>Identification of topic to be discussed during the program and background research.</p> <p>Engaging a consultant to discuss the issue.</p> <p>Booking airtime, conducting interview and airing program.</p>	<p>15Feb-15 March 2004</p> <p>10 Feb-30 Oct</p> <p>Feb-Sept 2004</p>	<p>T. Kambi L. Mumba C. Kakunta O. Mumba</p> <p>T. Kambi L. Mumba V. Chibuye</p> <p>C. Kakunta L. Mumba T. Kambi C. Gwanama D. Lungu</p>	<p>Database of contacts, decision makers, scientists, media and others in Zambia</p> <p>The Zambian public will have some factual and tangible material on biotech.</p> <p>Copies of the newsletters produced</p> <p>Distribution. More people hearing about biotech issues in Zambia and beginning to take an interest in what it can do for them and how they can be involved.</p> <p>Transcripts of radio programs aired.</p>

			every quarter				
3	Journalist Training session	To enhance the science communication skills of journalists so that they can accurately communicate issues of biotechnology to the Zambian public.	Organize a one-day training session for journalists with emphasis on those from community radio stations.	Compile list of journalists to be trained and resource persons. Organize training materials and logistics. Conduct training Administer evaluation forms to participants.	March - June	L. Mumba T. Kambi D. Sikazwe C. Kakunta V. Chibuye	Improve and enhance biotechnology reporting in local media. Training session report with list of trained journalists of seminar held in May. Evaluation forms from participants
4	Communicators workshop	To train competent communicators from different backgrounds who will be able to transfer science based biotech information to others. Their communication skills and science information will be enhanced during the training to enable them contribute to biotech information transfer to the public	Conduct a training workshop for communicators	Identification of stakeholders to partake in this workshop. Prepare an outline of the workshop activities. Identify Resource persons and invite them to produce their training material. Invite invitees. Conduct training workshop.	March-Sept 2004	L. Mumba T. Kambi V. Chibuye G. Mwila (SPGRC) L. Thole (NSTC)	Core group of communicators trained to speak to various stakeholders on biotechnology. Workshop report to the workshop that should run in June 2004

Appendix 2: Radio Programs

#	Title/radio station	Date	Person responsible
1	Plant Breeding I (ZNBC)	24/02/04	Chris Kakunta
2	Plant Breeding II (ZNBC)	25/02/05	Chris Kakunta

3	Tissue Culture (ZNBC)	2/03/04	Chris Kakunta
4	General discussion on BOSZ and Biotech in Zambia (Radio Phoenix)	4/04/04	Tamala Kambikambi & Chris Kakunta
5	Biotechnology in S.A (ZNBC)	21/05/04	Chris Kakunta
6	General discussion on BOSZ and Biotech, GMOs (ZIS)	13/05/04	Luke Mumba
7	Biotechnology, Benefits and Concerns (UNZA Radio)	6/06/04	Luke Mumba
8	GMOs, Global Status (UNZA radio)	13/06/04	Luke Mumba
9	Biotech Awareness (Yatsani Radio)	20/08/04	Tamala Kambikambi
10	Role of MPs in Communicating biotechnology (ZNBC)	25/06/04	Chris Kakunta
11	Activities of AfricaBio in SADC (ZNBC)	8/07/04	Chris Kakunta
12	AfricaBio Activities in Africa (ZNBC)	03/06/04 28/05/04	Chris Kakunta
13	Biosafety Systems in SADC (ZNBC)	02/07/04	Chris Kakunta
14	GMO Debate (Yatsani Radio)	07/04	Tamala Kambikambi
15	UNZA Promoting GMOs? (UNZA Radio)	8/10/04	Luke Mumba
16	Effective Biotech Communication (UNZA Radio)	22/11/04	Luke Mumba

Appendix 3: Executive Summary of Journalists Workshop

3.1 Executive Summary

3.1.1. The biotechnology Outreach Society of Zambia held a one –day workshop for journalists with the theme “*Translating and communicating Biotechnology*” on 13th May 2004 at Comfort Lodge.

3.1.2. Ms. T. Kambikambi chaired the first session and the rapporteur was Ms V. Chibuye. The chairperson gave a background to modern biotechnology and highlighted the high prospects it offers in health, agricultural, industrial and environmental issues for developing countries. She also acknowledged the important role played by journalists in information dissemination and how they can use their profession to enlighten the public on issues such as biotechnology. However, for this to be a reality there is need for the media to be enlightened by interactions with scientists and for stakeholders to be appreciative of their perceptions of the problems.

3.1.3. Paper Presentations

I. There were five paper presenters with four coming from the media fraternity.

II. The first presenter was Dr. Mumba whose paper was entitled “*Introduction to Biotechnology*”. The elementary issues pertaining to cells, DNA and genes were explained to the journalists.

III. This was followed by a presentation from Mr. Daniel Sikazwe entitled “*Science and Statistics Reporting*” in which it was learnt that science reporting in Zambia is still in its infancy. The paper also explained why journalists do not report science and statistics effectively and gave basic science concepts that journalists need to understand to report effectively.

IV. Mr. Chris Kakunta then followed with a paper entitled “*Improving Public Understanding of Science Issues; Crosscutting issues for Reporters*” in which he emphasized the need for journalists to quote reliable sources and to research issues before publication.

V. The fourth presenter was Mr. Pelekelo Liswaniso, a media consultant and Editor for the Zambia Daily Mail, whose paper was entitled “*Editors and Science Reporting*”. He talked about the need not to consider science stories as belonging to specialized journals only. He challenged journalists reporting on a science story to make the news interesting, write clearly and explain the complexities to their audiences.

VI. Mr. Bwalya Nondo was the last presenter with a paper entitled “*Journalists: Prospects and Constraints*”. His paper was presented in the second session, which was chaired by Dr. L. Mumba and rappoteured by Mr. C. Kakunta. Mr. Nondo highlighted the role of the media as an entity with the obligation to inform the public. He challenged his colleagues in the media to be resourceful and read widely on science topics.

Appendix 4: Executive Summary of the Communicators Workshop

4.1. Executive Summary

DAY ONE 17th JUNE 2004

4.1.1. Biotechnology Outreach Society of Zambia (BOSZ) held a 2-day workshop for communicators with the theme “*communicating biotechnology for sustainable development*”. from the 17th –18th June, 2004 at Chrismar Hotel, Lusaka. The workshop drew participants from legislators, intellectuals and the media.

4.1.2. Dr. L.E. Mumba, the BOSZ chairman opened the workshop with welcoming remarks. He also introduced the guest of honor Dr. Zambezi, permanent secretary in the ministry of science, technology and vocational training. The other workshop delegates were also invited to introduce themselves at a later stage after which Dr. Mumba delivered his welcome address.

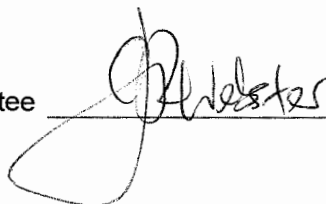
4.1.3. Dr. Zambezi officially opened the workshop. He highlighted the important role that his ministry plays in issues of technology. He went on to disclose that the Zambian government has adopted a policy on biotechnology and biosafety. He also told the delegates that the ministry was working on a bill, which was going to be debated in parliament on the draft policy. The permanent secretary thanked NORAD and USAID for the good will they were showing towards public awareness regarding issues of biotechnology. In this regard he challenged Zambians to show more commitment to the implementation of the policy on biotechnology and biosafety. He also challenged scientists to speak with one voice and avoid confusing the public through conflicting views.

4.1.4. The workshop participants posed for a group photo after the official opening. This was followed by paper presentations. Dr. L.E. Mumba chaired the first session and the rapporteur was Valerie Chibuye, BOSZ office Manager. Three papers were presented.

Grant Activity Completion Report

1. Name of Organisation	AfricaBio
2. Grant Activity	"Zambia Capacity Building, Biotechnology Outreach, and Information Transfer"
<p>3. Briefly describe the grant objectives achievements and impact as a result of the grant activities implemented during the grant period.</p> <p>Verifiable Project Outcomes</p> <ul style="list-style-type: none"> • Development of a comprehensive decision makers, regulators and key scientist database for Zambia. • 50 communicators trained to offer training in biotechnology matters to key stakeholders in Zambia • 16 Radio Programs • 3 Newsletters • Journalists Training Session • Other Promotional Activities such as Seminar in School of Agric Sciences, Parliamentarians Round Table Meeting and Biosafety Framework, IITA Agro-biotechnology Priority Setting Workshop for Southern Africa, Visit to the Ministry of Science Technology & Vocational Training(MSTVT), Training Course on Modern Biotechnology & Food Safety etc. see report for details <p>Biotechnology Outreach Society of Zambia has contributed significantly to biotechnology awareness in Zambia through all the activities it has carried out during the course of this year (2004). The newsletter publications have helped to educate and sensitize the public on current issues on biotechnology in Zambia and surrounding countries and elsewhere. The distribution list has been growing with every publication. The Journalists and Editors' workshops enabled scientists and the media to interact and discuss issues affecting science coverage in the media.</p>	
<p>4. Briefly discuss the implementation process, including lessons learned and recommendations</p> <p>The project objectives were all achieved during the scheduled period through the creation of partnerships and networking with various regional initiatives and interacting closely with them.</p> <p>A lot has been achieved by this outreach programme in terms of public awareness on biotechnology in Zambia. However, due to the deep-rooted fear that most people have with new technology, a lot still needs to be done. It will therefore be desirable to continue with the awareness activities in the coming year.</p> <p>The media has been adequately sensitized, policy makers have been enlightened and scientists trained on how to communicate science issues effectively. It is hoped that the outreach activities will go a long way in helping the public make informed decisions on biotechnology and the GMO debate in particular.</p>	
<p>5. Public Dissemination: GMAC requires that all grant activity deliverable(s) of the grant activity (e.g., a report or survey) must be made available to the general public. Briefly discuss how the grants activities and results were made accessible to interested parties.</p> <p>Dissemination of project materials</p> <ul style="list-style-type: none"> • Project materials i.e. reports, electronic copy of Pocketbook, database etc were disseminated through various medium to project target audience through: <ul style="list-style-type: none"> — Workshops i.e. the communicators and other biotechnology events — Distributed to key stakeholders in the region by post on CDs — AfricaBio's web sites etc. 	

Signature of Grantee



Date

15/04/05

GMAC Grantee Narrative Report

Grantee AfricaBio

Agreement No. 0129-1003-G-GA37 ZAMBIA

Report for the period:

☐ October 1, 2004 through September 30, 2005

October 1, 2004 to December 1, 2004

Please complete a one-two page narrative summary of your main accomplishments between October 1, 2004 – March 30, 2005. To prevent you from re-inventing the wheel, it is recommended that you work through the two narrative reports that you are required to submit to Mega-Tech for the specified reporting period and capture essential accomplishments related to your milestones.

All the tasks scheduled for this period were all completed. The development and printing of the last newsletter from tasks two scheduled for printing and distribution during this quarter was completed within the specified period. The final project report was also completed in this quarter.

These deliverables have contributed significantly to biotechnology awareness in Zambia. The newsletters have helped to educate and sensitize the public on current issues on biotechnology in Zambia and surrounding countries.

The implementation Constraints were as follows:

- Lack of local experience in the area of biotechnology awareness
- A lot of work still needs to be done with the media, as there is still a tendency to focus on the negative aspects of biotechnology

In my capacity as the grantee agent, I hereby certify that to the best of my knowledge, the above information is accurate.

Authorised Signature: _____

Date: _____